

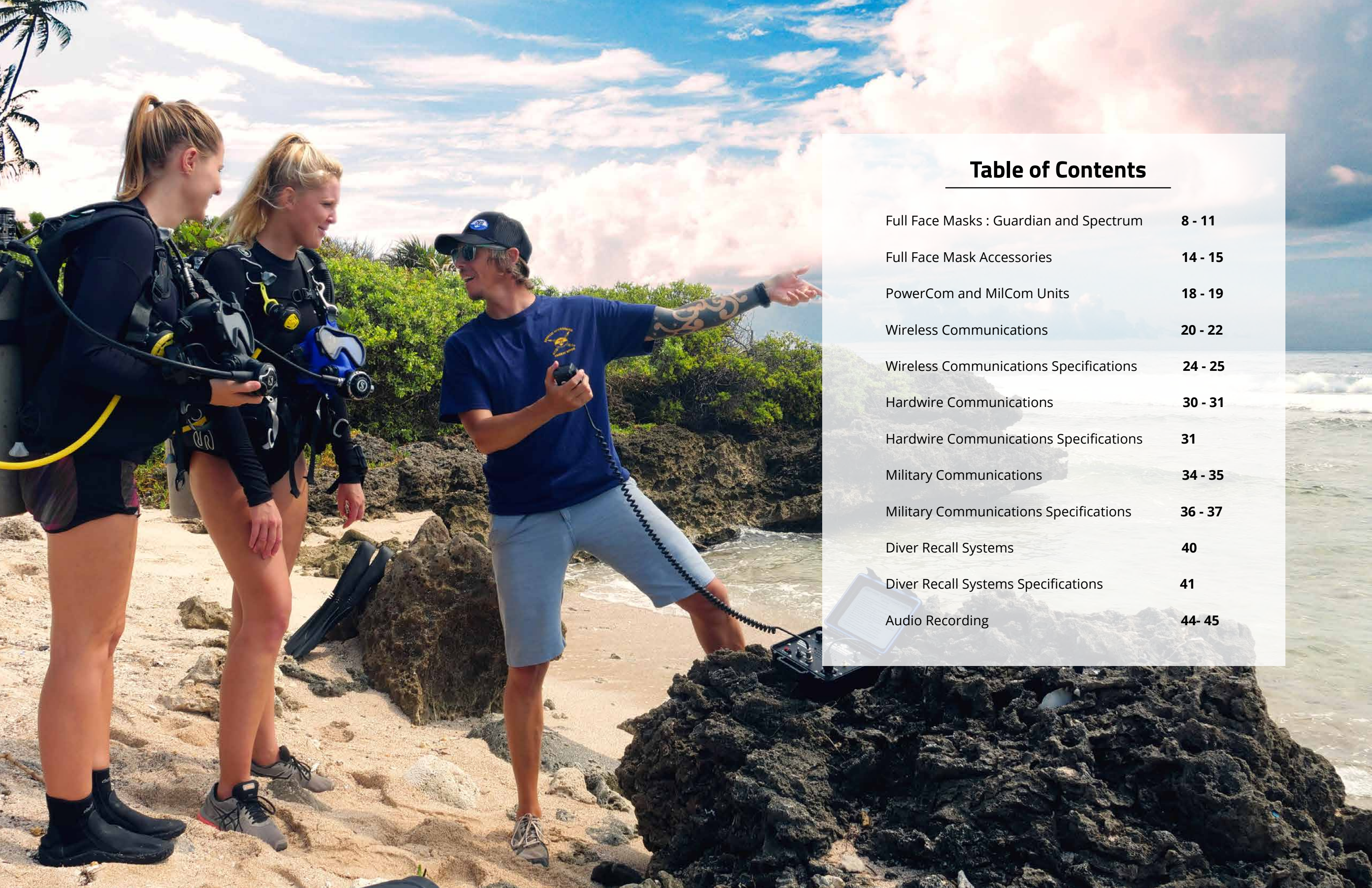
# Ocean Technology Systems

// 2021



*Innovative Solutions for Underwater Communications*

**Sport - Search & Rescue - Commercial - Military**  
**Scientific - Film / TV - Government**



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## Ocean Technology Systems

# THE AMERICAN DREAM

In 1984, Mike Pelissier and Jerry Peck had a dream—design the best underwater communications on the market. With drive and determination, the two men started building what was to become a worldwide brand from their garage. With Jerry's engineering design background and Mike's Navy Diver and sales experience, the two partners were a dynamic duo. As the company grew Mike and Jerry's goal was to always take care of the customer providing the highest quality products at a fair price.

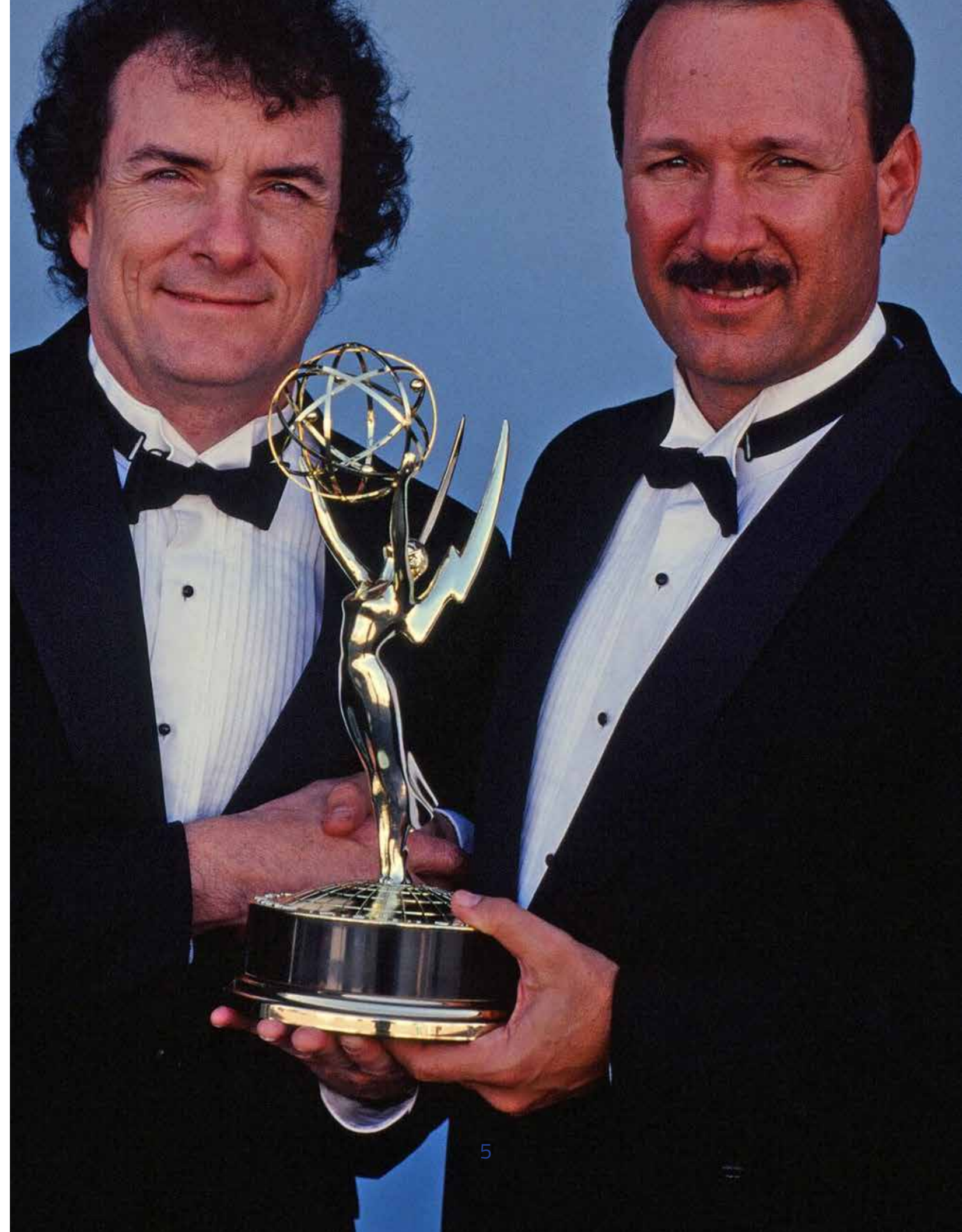
OTS is now the leader and trusted choice for underwater communications in the industry. Militaries, professional dive teams, recreational divers, scientific divers, government agencies as well as Film & T.V. productions around the world have made OTS their go to for their underwater communication needs.

With over 30 years as experts in underwater communications, OTS has continued to grow and thrive creating new products and fulfilling the needs of market demands. The OTS product line covers underwater communications for all applications as well as full face masks. Today OTS continues to be family owned and operated and the mission remains the same, to provide innovative solutions for underwater communications and serving their customers worldwide.

**"We invite you to join the ranks of many elite and satisfied customers in the US and abroad who allow us to serve them."**

*Michael Pelissier & Jerry Peck*

- Owners



# IT'S TIME FOR AN **UPGRADE**

OTS Full Face Masks' (FFM) are second to none in comfort, style, fit, and function. We offer the best FFM in field of vision and have designed our masks with the most user friendly features. Whether you are a working diver looking to use a FFM for practical application or a sport diver looking to take your diving experience to the next level, we are confident we have the FFM for you!



## MULTIPLE COLOR OPTIONS AVAILABLE!



Black/Black



Black/Blue



Blue/Black



Black/Pink



Yellow/Black



Black/Red

## FEATURES



### REMOVABLE 2ND STAGE REGULATOR

Our one touch regulator quick release allows easy removal of the 2nd stage regulator for a no fuss user experience and streamlined gear maintenance



### DOUBLE FACE SEAL

Our soft yet durable no leak double seal allows for a one size design fitting more faces than any other mask on the market.



### AMBIENT BREATHING VALVE (ABV®)

The ABV® allows the user to conserve tank air while at the surface by simply rotating the ABV open.



### QUICK DISCONNECT ASSEMBLY

The internal quick disconnect assembly allows a user to quickly detach their regulator from the mask, eliminating the need for a hose QD.



### 5 POINT HEAD HARNESS

A 5 point head harness ensures the diver has a secure fit of the mask to their face and eliminates the likelihood of the mask unintentionally coming off.



### SELF-DEFOGGING AIRFLOW SYSTEM

Our self-defogging airflow system ensures the Guardian FFM stays fog free throughout your entire dive, every time.

# THE GUARDIAN FULL FACE MASK

With the Guardian Full Face Mask (GFFM) we designed a Full Face Mask (FFM) that we felt encompassed what was missing with other FFMs on the market. We wanted to create a product durable and rugged with all inclusive features such as a built in Ambient Breathing Valve® (ABV) to conserve tank air, an easily removable second stage regulator, superb field of vision and a self-defogging system.

We also wanted to ensure that fit and function were at the forefront of the design. The Guardian FFM eliminates the need for a bite down regulator which curbs dry mouth and eliminates jaw fatigue.

Our comfortable no leak double seal allows for more faces to fit our standard design than any other mask on the market. Our easily removable straps allow for more forgiving usage lessening the risk of tearing the skirt. The Guardian FFM's side draft, low profile second stage regulator provides more consistent breathing performance and the rear exhaust reduces bubbles in your field of view. Throw in a customizable equalizing block to allow for easy clearing of your ears and we have all your bases covered.

The GFFM is the premier choice for any diver looking for durability, luxury, and an easy to use product.

# SPECTRUM FULL FACE MASK

The Spectrum FFM's soft flexible material feels like a dream in comfort. Its lightweight design makes traveling with a FFM easier and more cost effective than ever before. Unlike most other FFMs, The Spectrum offers a pinch-your-nose method ensuring that those new to FFM diving have a familiar experience. The Spectrum FFM also allows you to use most any second stage regulator ensuring you don't have to give up your favorite regulator while diving FFM.

With add on options such as the Ambient Breathing Valve® (ABV) to conserve air at the surface, mounts/ brackets for adding cameras or lights, and communications to stay connected, you now have the option to build your mask how you want it or stick with the bare necessities.

## USE YOUR OWN REG

Don't be forced to give up your favorite regulator while using a Full Face Mask (FFM). The Spectrum FFM allows you to use most modern standard second stage regulators with easy installation and removal.



## EASY EQUALIZATION

Equalizing is a breeze with The Spectrum FFM's pinch-your-nose method. There are no assemblies or adjustments to make. Just pinch-your-nose and go!



## COMMUNICATIONS COMPATIBILITY

Use any of our easy to install wireless or hardwire communications with our Spectrum FFM to stay connected while you dive.

\*Guardian communications are interchangeable.



## BUILT FOR EVERYONE

With the design challenge in mind to cover a wider "spectrum" of divers, we wanted to create a Full Face Mask (FFM) that put the price control in the hands of the user without sacrificing design, look, or function. The Spectrum Full Face Mask (FFM) serves as the most customizable FFM with the best price on the market allowing you to decide which features you'll pay for.

## MULTIPLE COLORS AVAILABLE!

Black Skirt / Coated Lens  
Black Skirt / Clear Lens  
Blue Skirt / Coated Lens  
Blue Skirt / Clear Lens



# ACCESSORIES

Our extensive collection of accessories are great additions to your Full Face Mask whether you are using the tough Guardian Full Face Mask or the innovative Spectrum Full Face Mask. Need extra light while diving at night or want to capture your dive by adding a camera to your mask? How about both? We got you covered.



## GFFM RAIL SYSTEM

with SOLA 800 / 1200

The GFFM Accessory Rail System easily attaches to the Guardian Full Face Mask and makes it possible to mount various devices to the sides of the mask including a SOLA 800/1200 light. The quick disconnect feature allows surface support to quickly exchange or replace devices as the mission dictates without removing the mask from the diver, or the diver from the water. Can be mounted on either side of the mask.



## GFFM RAIL SYSTEM

with Universal Light Bracket

The Accessory Rail System with Universal Light Bracket allows virtually any light to be mounted to the Guardian Full Face Mask. One rail may be used or two may be mounted (one on each side). The attachment method does not interfere with ABV® (Ambient Breathing Valve).



## GOPRO® / LIGHT COMBO MOUNT

Compatible with GFFM Rail System / Spectrum Bracket

Adding this Inodive mount to a Rail System Slide allows you to mount a GoPro® camera and a light on the same slide. This will work with Universal Slide, Inodive Light, as well as Light & Motion SOLA Lights (Requires SOLA Mount Slide & D-Ring Kit).



Shown on mask

## SPECTRUM ABV®

The OTS Spectrum Ambient Breathing Valve allows a diver to conserve tank air by simply opening the valve on the mask! This is a great addition for any diver who waits for their dive buddy to finish getting ready or hanging out on the surface after a dive!



## SPECTRUM CAMERA MOUNT

The OTS Spectrum Camera mount allows for quickly mounting a GoPro® or similar type camera! It is easily attached to the top frame of the mask via a single screw allowing a diver to record video hands-free during a dive!



## SPECTRUM UNIVERSAL LIGHT BRACKET

The Spectrum Accessory Bracket allows a diver to mount most (round) 3rd party lights to the side of the Spectrum Full Face Mask. This is great for night dives or anytime where additional light is required! The Spectrum Accessory Bracket allows for two mounting positions : high or low.

## GUARDIAN FFM EYEWEAR KIT

Add your prescription lenses to wire frames in your OTS Guardian FFM. Enjoy a clear view underwater with securely mounted, custom engineered and field-tested prescription ready eye gear.



## 360° SWIVELS / 90° ELBOWS & QUICK DISCONNECTS

The Omniswivel 360 degree swivels and 90 degree elbows allows free range of motion & better low pressure hose routing. The Quick Disconnect allows a user to quickly disconnect a hose from their FFM. All items fit the Guardian Full Face Mask / Spectrum Full Face Mask & all standard 2nd stage regulators.



*Introducing the next generation of wireless communications*

**POWER**  **COM**

**MIL**  **COM**

*More Power. More Range. More Reliability.*

*And for the first time in Wireless Communications history - Scrambled Communications*



The all new POWERCOM and MILCOM line takes wireless communication performance to the next level for all your professional diving needs. Its specifically designed rechargeable Lithium-ion battery boasts more power for greater range, up to 14 hour run time and significantly improved overall battery lifespan, ensuring that the unit will keep you connected when you need it. Looking for added communication security? Look no further. With the POWERCOM and MILCOM's all-new Scrambler Mode, wireless communications can now be discreetly and more securely transmitted for the first time in wireless communication history. Tack on additional features such as "Extra Loud" Voice Menu Volume Control, improved mounting and strain reliefs, and more replaceable components for serviceability, the POWERCOM and MILCOM are truly the next generation of Wireless Diver Communications.

Features:

- Increased Power & Range
- Included Rechargeable Lithium-Ion Battery & Charger
- Greatly Improved Battery Life
- New "Extra High" Volume Menu Option In Voice Menu
- Scrambler Mode
- Improved Cable Strain Reliefs
- Replaceable Cable for Different Connectors
- Belt Clip Durability Increased and User Replaceable
- Additional User Replaceable Components
- Can be converted into a portable Surface Station with optional CDK-6 Kit



Backwards Compatible with CDK-6 Conversion Kit



More Power. More Range. More Reliability.

PowerCom / MilCom Comparison Chart



Specifications	POWERCOM 3000D P/N: 900471-000	POWERCOM 5000D P/N: 900472-000	MILCOM 6000D P/N: 900473-000
Range	3000 Meters*	5000 Meters*	6000 Meters*
Output Power	25 Watts	35 Watts	70 Watts
Transmit Activation	Push-To-Talk & VOX	Push-To-Talk & VOX	Push-To-Talk
Transmitter Band	31 - 33 KHz	25 - 33 KHz	25 - 33 KHz
Number of Channels	4 Channels	8 Channels	2 Channels
Battery Type	Rechargeable Lithium-Ion	Rechargeable Lithium-Ion	Rechargeable Lithium-Ion
Battery Life	14 Hours**	14 Hours**	14 Hours**
Housing	Injection-Molded Polycarbonate	Injection-Molded Polycarbonate	Injection-Molded Polycarbonate
Housing Dimensions	Height: 7" Width: 4.2" Depth: 2.65"	Height: 7" Width: 4.2" Depth: 2.65"	Height: 7" Width: 4.2" Depth: 2.65"
Max Depth	300 Feet	300 Feet	300 Feet
Operating Temperature	0°C to 60°C (32°F to 140°F)	0°C to 60°C (32°F to 140°F)	0°C to 60°C (32°F to 140°F)
Low Battery Indicator	Blinking Red LED and Audio Indicator	Blinking Red LED and Audio Indicator	Blinking Red LED and Audio Indicator

\*Range can be more or less than stated and is dependent on water conditions (i.e. Depth, Noise, Thermoclines, etc.). A combination of high sea state and acoustic shadowing will severely limit range.

\*\*Battery Life can range from 10-14 hours depending on usage, age of battery and temperature.



# SPORT / RECREATIONAL

## BUDDY PHONE D2 2-Channel Wireless Diver Unit

Using state-of-the-art technology, the Buddy Phone® D2 is the perfect wireless communications in a compact, affordable platform. It includes .5 watts of power and a voice menu via it's push-to-talk button to control channel, volume, continuous transmit, and a patented studio quality microphone.



## RX-100 1-Channel Receive Only Unit

The RX-100 Buddy Phone® Receive Only unit is a wireless listening device that easily mounts to all dive masks allowing for any diver to hear communications underwater. Eliminating the need to transmit, this product is perfect for instruction, classes, or guided tours.

## SP-100D2 2-Channel Wireless Surface Station

The SP-100D2 is a compact lightweight battery operated two channel surface station easy to operate from a boat or shore. It includes a handheld microphone and transducer and its .5 watt of power can communicate with all wireless products on the same channel and within range.



# PUBLIC SAFETY / PROFESSIONAL

## POWERCOM 3000D 4-Channel Wireless Diver Unit

The all new PowerCom 3000D delivers 25 watts of power and was designed with professional Search & Rescue teams! With new features like an included lithium-ion battery and charger, scrambler mode, extra loud volume, and improved cable strain reliefs, to name a few, the PowerCom 3000D builds upon our legendary communications.



## POWERCOM 5000D 8-Channel Wireless Diver Unit

Our most powerful and reliable communications to date, the PowerCom 5000D delivers 35 watts of power and was designed for professional Search & Rescue teams who need the best! With new features like an included lithium-ion battery and charger, scrambler mode, extra high volume, an easy to navigate voice menu system, and improved cable strain reliefs, the PowerCom 5000D delivers what professionals need.

## STX-101 4-Channel Surface Station

The Aquacom® STX-101 surface transceiver is a 5 watt, multi-channel, wireless surface station designed with the professional Search & Rescue teams in mind. The STX-101 offers four channels that match the PowerCom 3000D and includes a handheld microphone and transducer.



## CDK-6 Surface Conversion Kit

The CDK-6 Surface Accessory Kit converts the new PowerCom series Diver units and MilCom 6000D unit into a portable surface station. After a quick and easy installation, you can talk to divers within range and on the same channel. The Kit contains a deluxe headset w/boom microphone (THB-13) and a 55' transducer cable (TC-35S).

# BELL UNITS / SPECIAL APPLICATIONS

## BELL-200 Diving Bell Unit

Primarily used in diving bells or confined spaces, the Bell-200 is designed to meet the rugged demands of commercial, scientific, and military diving. Although compact in design, the Bell-200 packs a punch. It puts out 70 watts and is set to a standard frequency of 25 kHz. Other channels are available.



## STX-101SB Diving Bell Surface Unit

The Aquacom® STX-101SB is a high power surface transceiver designed to operate with the BELL 200 back-up communications system. Using a heavy-duty 35' transducer cable and transducer, the STX-101SB has 70 watts of power to ensure clear communications in virtually any condition. Includes handheld microphone.

## STX-101SBR Diving Bell Surface Unit

The Aquacom® STX-101SBR is a high power, two-channel, rack mounted version of the STX-101SB designed to operate with the BELL 200 back-up communications system. It includes a heavy-duty 35' transducer cable with 70 watts of power, ensuring clear communications with the STX-101SBR.



Front








Back



# DON'T MISS OUT!

Wireless underwater communications are a fun and easy way to freely stay connected underwater and ensure you never have to surface saying, "I can't believe I missed that!". You'll save time trying to navigate issues underwater by reducing the need for confusing hand signals, writing on slates, and the old fashioned bang on your tank method to grab your buddy's attention.






Wireless  
Comparison  
Chart

					
	Buddy Phone D2 Diver Unit	RX-100-D2 Diver Unit	SP-100D-2 Surface Station	PowerCom 3000D Diver Unit	PowerCom 5000D Diver Unit
Channels / Frequencies	Ch.1 32.768 kHz USB Ch.4 31.250 kHz LSB	Ch.1 32.768 kHz USB OR Ch.4 31.250 kHz LSB	Ch.1 32.768 kHz USB Ch.4 31.250 kHz LSB	Ch 1: 32.768 kHz USB Ch 2: 32.768 kHz LSB Ch 3: 31.250 kHz USB Ch 4: 31.250 kHz LSB	Ch.1 : 32.768 kHz USB Ch.2 : 32.768 kHz LSB Ch.3 : 31.250 kHz USB Ch.4 : 31.250 kHz LSB Ch.5 : 28.500 kHz USB Ch.6 : 28.500 kHz LSB Ch.7 : 25.000 kHz USB Ch.8 : 25.000 kHz LSB
Output Power	0.5 Watts PEP	N/A	0.5 Watts PEP	25 watts PEP	35 watts PEP
Range*	50m - 500m	Dependent on Trans- ceiver Used	50m - 500m	3000m	5000m
Transducer	Piezoelectric	Piezoelectric	Piezoelectric	Piezoelectric	Piezoelectric
Transmit Control	Push-To-Talk, Optional Continuous Transmit	N/A	Manual Activation (Push-To-Talk)	Voice-Operated Trans- mit (VOX) and Manual Activation (Push-To- Talk)	Voice-Operated Transmit (VOX) and Manual Activation (Push-To-Talk)
Microphone / Speakers / Ear- phone	Microphone / Earphone assembly integrated unit	Earphone assembly integrated unit	Handheld Mic (in- cluded), THB-14 Headset w/ boom mic (optional)	Ear / Mic Assembly via Hi-Use Connector (Purchased Separately)	Ear / Mic Assembly via Hi- Use Connector (Purchased Separately)
Rec Out / Auxil- iary Speaker	No / No	No / No	Yes / No	No / No	No / No
Battery Type	Alkaline 9-Volt (type #522) or Lithium 9-Volt Cell (Batteries not included)	Alkaline 9-Volt (type #522) or Lithium 9-Volt Cell (Batteries not included)	16 AA Batteries (Batteries not included)	Rechargeable Lithium-Ion (Included)	Rechargeable Lithium-Ion (Included)
Battery Life	~ 4.5 Hours	~ 5 Hours	~ 20 Hours	~ 14 hours	~ 14 hours
Low Battery Indicator	Voice Alert	Tone Alert	Tone Alert	Blinking Red LED & Audio Indicator	Blinking Red LED & Audio Indicator
External Power	N/A	N/A	12 VDC, Minimum of 1 Amp. Access via Mini Double Banana Plug on Front Panel	N/A	N/A
Depth Rating	130 FSW	130 FSW	35 FSW (Transducer)	300 FSW	300 FSW
Housing	Injection-Molded, High- Impact, Glass-Filled ABS Plastic	Injection-Molded, High- Impact, Glass-Filled ABS Plastic	Underwater Kinetics 309, ABS, Heavy Duty Plastic	Injection-Molded Polycarbonate	Injection-Molded Polycarbonate
Dimensions (H x W x D) / Weight	Height : 5.18", Width : 3.5" Depth : 2.0", Weight : 8.1 oz	Height : 5.18", Width : 3.5" Depth : 2.0", Weight : 8.1 oz	Height: 7.85", Width: 9.0", Depth: 3.7" Weight: 2.5 lbs	Height: 7", Width: 4.2", Depth: 2.65" Weight : 3.5 lbs	Height: 7", Width: 4.2", Depth: 2.65" Weight : 3.5 lbs

\*Range can be more or less than stated and is dependent on water conditions (i.e., depth, noise, thermoclines, etc.). A combination of high sea state and acoustic shadowing will severely limit range.



ALL Ocean Technology Systems’ communications are fully guaranteed against defects in materials and workmanship for a period of 1 year from the time of purchase. Our obligation under this warranty is limited to the replacement of any part or parts which prove to our satisfaction to have been defective, and which have not been misused or carelessly handled. Labor is guaranteed for 1 year from time of purchase.

				
CDK-6 Conversion Kit**	STX-101 Surface Station	Bell-200 Surface Station	STX-101SB Surface Station	STX-101SBR Surface Station
Dependent on Diver Unit. Compatible with PowerCom 3000D / PowerCom 5000D / MilCom 6000D	Ch 1: 32.768 kHz USB Ch 2: 32.768 kHz LSB Ch 3: 31.250 kHz USB Ch 4: 31.250 kHz LSB	25 kHz USB (Standard), Contact OTS for Additional Frequencies	8.0875 kHz USB OR 25 kHz USB	8.0875 kHz USB / 11kHz LSB OR 25 kHz USB / 32.768 USB
N/A	5 Watts PEP	70 Watts PEP	70 Watts PEP	70 Watts PEP
Dependent on Transceiver Used	200m - 1000m	200 m to 6000 m	200m - 6000m (Up to 10km w/ 8 kHz Transducer)	200m - 6000m (Up to 10km w/ 8 kHz Transducer)
Piezoelectric	Piezoelectric	Piezoelectric	Piezoelectric	Piezoelectric
Voice-Operated Trans- mit (VOX) and Manual Activation (Push-To- Talk)	Manual Activation (Push-To-Talk)	Manual Activation (Push-To-Talk)	Manual Activation (Push-To-Talk)	Manual Activation (Push-To-Talk)
THB-13 Headset w/ boom mic via Hi-Use Connector	Handheld Mic (included), THB-101 Headset w/ boom mic (optional)	Optional THB-BELL Headset w/ boom mic via MIL-Spec Connector	Handheld Mic (included), THB-101 Headset w/ boom mic (optional)	Handheld Mic (included), THB-STX-101SBR Headset w/ boom mic (optional)
Yes / No	Yes / Yes	No / No	Yes / No	Yes / Yes
N/A	2 Alkaline 6-volt Batteries or 2 Rechargeable RB-6V Gel-Cell batteries (Batteries not included)	External 24V @ 10 Amps Power, minimum	Supplied with 2 RB-6V Re- chargeable Gel Cells. Do not use Alkaline Batteries. (Included)	N/A
~ 14 hours	Alkaline 6-Volt Batteries : ~20 hours Rechargeable RB-6V Gel- Cell batteries : ~12 hours	N/A	~ 6 Hours	N/A
Tone Alert / Flashing LED	Tone Alert	Tone Alert / Flashing LED	Tone Alert / Flashing LED	N/A
N/A	12 VDC, Minimum of 1 Amp. Access via Mini Double Banana Plug on Front Panel	N/A	12 VDC, Minimum of 4 Amps .Access via Mini Double Banana Plug on Front Panel	24 VDC, Minimum of 10 Amps
55 FSW (Transducer)	35 FSW (Transducer)	Transducer : 2000 FSW Bell Unit : N/A (Dry Environments only)	100 FSW (Transducer)	N/A
Injection-Molded, High- Impact, Glass-Filled ABS Plastic	Injection-Molded, High- Impact, Glass-Filled ABS Plastic	Sealed NEMA Enclosure	Injection-Molded, High- Impact, Glass-Filled ABS Plastic	Aluminum Rack Chassis
Height: 8.5", Width: 6.12", Depth: 4.00" Weight : 2.5 lbs	Height: 6.50", Width: 14.00", Depth: 10.60" Weight: 12 lbs	Height : 4.75", Width : 10.25", Depth : 4.40", Weight : 7 lbs	Height: 6.50", Width: 14.0", Depth: 10.60" Weight: 12 lbs	Height: 3.50", Width: 19.0", Depth: 8.00" Weight : 12 lbs

\*\*Diver unit not included.



## RELIABILITY WHEN IT COUNTS

Professionals around the world choose OTS for their underwater communication needs. We understand the importance of communications in the field, which is why quality, durability and reliability are the forefront of our design.

# THE ALL NEW MK-III 3 DIVER BOX

The MK-III offers unprecedented performance at an affordable price! Designed for Commercial, Military and Professional divers, the MK-III has the ability to communicate with 3 divers simultaneously in loud, hard working conditions due to it's powerful speaker. The panel features a 3 diver color coded section to allow a surface tender to quickly identify and adjust volumes on the fly. The connector panels have the ability to be switched as needed, quickly and easily.

## UNLIKE ANY OTHER

Made for the most demanding environments and conditions, the MK-III 3 Diver Box offers features such as a modular connector panel and the ability to connect two boxes together for even more versatility. At an aggressive price point and loaded with features, the MK-III 3 Diver Box delivers an impressive package. When loud, intelligible hardwire communications is needed, don't compromise with any other box.



### MODULAR CONENCTOR PANEL

A modular connector panel makes swapping topside connectors for different CommRope connectors a breeze. Options include : MS, AMP, and Banana connectors.



### CONNECT 2 BOXES TOGETHER

The ability to connect two boxes together gives even greater versaility to the MK-III 3 Diver Box by allowing up to 6 divers to talk simulanenously with a surface tender.



### POWERFUL SPEAKER

The MK-III 3 Diver Box delivers incredible sound delivered by a powerful panel speaker, perfect for noisy environments where extreme volume is needed.



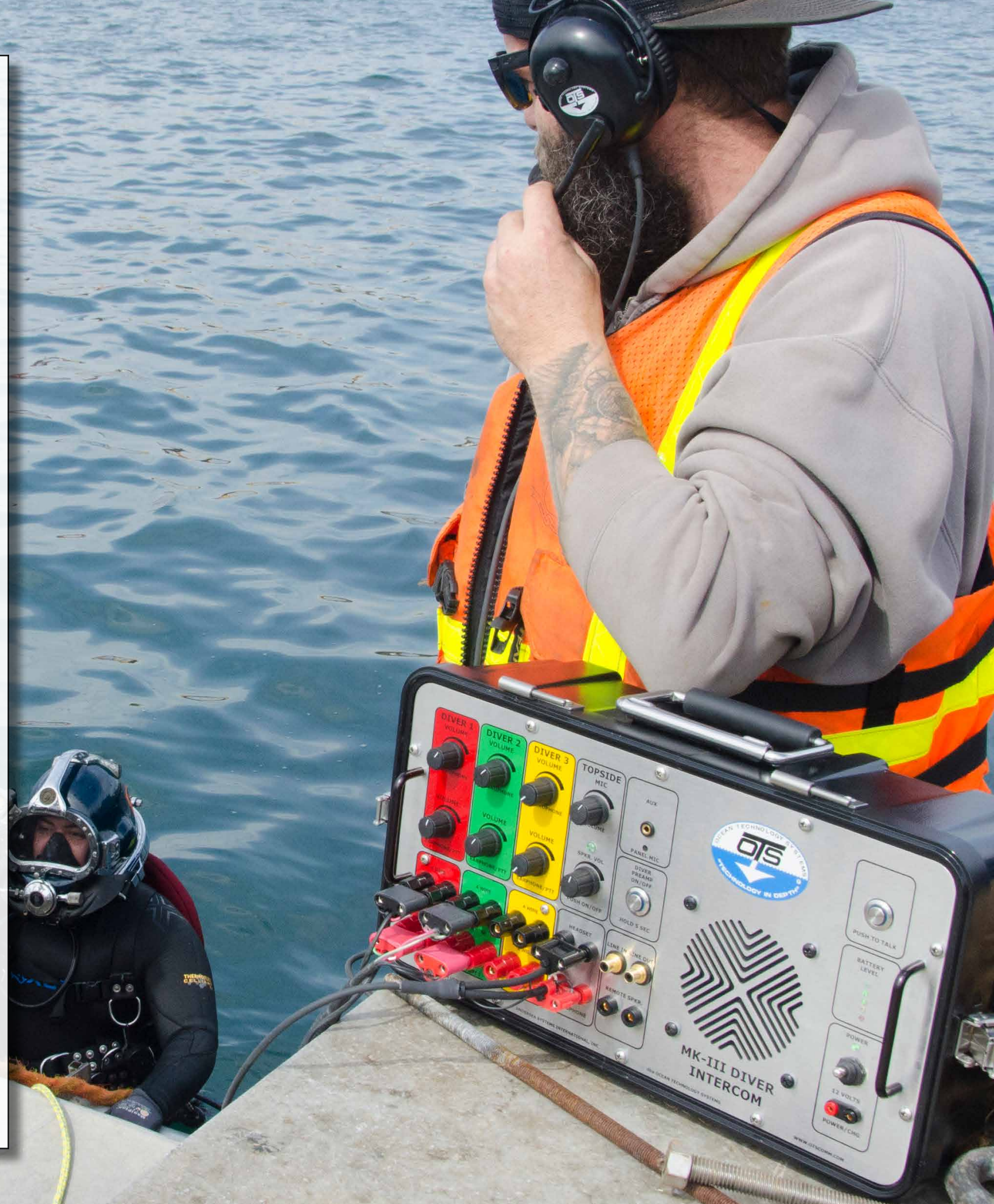
### AUX. INPUT FOR MUSIC & PRE-RECORDED MESSAGES

A panel mounted AUX input makes playing music or pre-recorded messages easy with a simple RCA connector.



### ACCESSORY COMPARTMENT LID

The easy to remove lid of the MK-III doubles as an accessory storage compartment for headsets, extra batteries and other accessories.



# HARDWIRE COMMUNICATIONS

## COMMUNICATION ROPES

Available in 2 Colors

CR-4 Comm Rope is 100% Polyester, 7/16” static kern mantle rope designed with four specially configured wires down the center. We offer the CR-4 by the foot but also sell it complete with the connectors that suits your needs on either end. Available in standard non-floating or floating configurations and in 2 colors : (Blue / Yellow)  
Comm Rope Bags that hold up to 200’ are available for an additional purchase



### COMBOX

1-Diver Station

A compact, self-contained one diver surface station, the ComBox allows clear 2-wire communications using a powerful 20-watt amplifier. With a rugged PTT control and “Silver Bullet” front speaker, the ComBox will deliver years of reliable service.



### MK2-DCI

2-Diver Station

The versatile MK2-DCI provides one or two divers with clear communications in either 2-wire or 4-wire mode. In 4-wire mode, up to 6 divers can be ‘stacked’ to communicate with each other.



### MK-7 BUDDYLINE

2-Diver Station

The MK-7 BuddyLine is a compact, self-contained surface station that gives clear communications in the 4-wire mode (round robin). The MK-7 was specifically designed for Search & Rescue teams to have an underwater communication device that has increased maneuverability and required minimal set-up time. Newly updated way to connect battery reducing chance of a failure.



### MK-III

3-Diver Station

The MK-III Three-Diver surface station is designed to support military diving profiles. It allows two divers and a standby diver to communicate via hardwire communications in addition to the surface tender. An auxiliary connector for use with HeO<sub>2</sub> (Helium) de-scramblers is also included.



## Hardwire Comparison Chart



ComBox Silver Bullet Surface Station



MK-2 DCI Surface Station



MK-7 Buddy Line Surface Station



MK-III Surface Station

Mode	2 Wire Only	2 Wire or 4 Wire	4 Wire Only	2 Wire or 4 Wire Only
Number of Divers	1	1 - 6	1 - 2 Can accommodate up to 4 with Y-Splitters	1 - 3
Transmit Control	Manual Activation (Push-To-Talk)	Topside : Push-To-Talk Diver : Hands-Free (4 Wire)	Topside : Hands-Free Diver : Hands-Free	Topside : Push-To-Talk Diver : Hands-Free (4 Wire)
Microphone / Speakers / Earphone	Microphone / Speaker Integrated Unit	Microphone / Speaker Integrated Unit	THB-7A Headset with Boom Mic Included	Microphone / Speaker Integrated Unit Headset sold separately
Rec Out / Auxiliary Speaker	Yes / Yes	Yes / Yes	Yes / No	Yes / Yes
Battery Type	8 or 16 AA Alkaline Batteries or RB-11 NiMH Rechargeable Battery Packs (Batteries not included)	2 Alkaline 6-volt Batteries or 2 Rechargeable RB-6V Gel-Cell batteries (Batteries not included)	8 AA Alkaline Batteries (Batteries not included)	12V, 7.2Ah, Lead-Acid Rechargeable Battery (Included)
Battery Life	~10 Hours	~20 Hours	~ 12 Hours	~12 Hours
Low Battery Indicator	N/A	Green / Yellow / Red LED Indicator with Tone Alert	N/A	Green / Yellow / Red LED Indicator with Tone Alert
External Power Source	12 VDC, Minimum of 3 Amps. Access via Mini Double Banana Plug on Front Panel	12 VDC, Minimum of 1 Amp. Access via Mini Double Banana Plug on Front Panel	N/A	12 VDC, Minimum of 3 Amps or 90-240 V AC, 50-60Hz
Housing	ABS, Heavy Duty	Ultra-High Impact ABS	Injection-Molded, High-Impact, Glass-Filled ABS Plastic	ABS, Heavy Duty
Dimensions (H x W x D) / Weight	Height: 7.85", Width: 9.00", Depth: 3.70" Weight: 3.5 lbs	Height: 6.5", Width: 14.0", Depth: 10.60" Weight: 14.0 lbs	Height: 6.72", Width: 4.35", Depth: 3.0" Weight: 1.5 lbs	Height: 10.75", Width: 16.75", Depth: 8.75" Weight: 19.5 lbs
Additional Features	Record Out	Record Out	Aux. Output	Modular Connector Panel, Ability to connect 2 boxes for up to 6 divers, Aux. input for music, Accessory Storage Lid

**SCRAMBLED COMMUNICATIONS FOR ADDED SECURITY**

# MIL COM

The MILCOM 6000D Wireless Diver Communication Unit takes wireless communication performance to the next level for all your professional diving needs. Its specifically designed rechargeable Lithium-ion battery boasts more power for greater range, up to 14 hour run time and significantly improved overall battery lifespan, ensuring that the MILCOM 6000D will keep you connected when you need it. Looking for added communication security? Look no further. With the MILCOM 6000D's all-new Scrambler Mode, wireless communications can now be discreetly and more securely transmitted for the first time in wireless communication history. Tack on additional features such as Voice Menu to change settings on the fly, a new "Extra Loud" Voice Menu option, improved mounting and strain reliefs, and more replaceable components for serviceability, the MILCOM 6000D is truly the next generation of Wireless Diver Communications.



# MILITARY UNITS

## POWERCOM 5000D 8-CHANNEL DIVER UNIT

Our most powerful and reliable professional communications to date, the PowerCom 5000D delivers 35 watts of power and was designed for professional divers who need the best! With new features like an included lithium-ion battery and charger, scrambler mode, extra high volume, an easy to navigate voice menu system, and improved cable strain reliefs, the PowerCom 5000D delivers what professionals need.



## STX-101M 8-CHANNEL SURFACE STATION

The Aquacom® STX-101M transceiver is a 10 watt, 8-channel wireless surface station designed to meet the demanding profile of the military diver. It operates with virtually all OTS Aquacom® and Buddy Phone® transceivers. Includes handheld microphone and transducer.



# WIRELESS 70 WATT UNITS

## MILCOM 6000D 2-CHANNEL DIVER UNIT

A wireless unit only, the new MilCom 6000D adds scrambled communications! It is a new 70-watt, two-channel unit with an all new voice menu system and comes standard with rechargeable lithium-ion battery for extended run time and charger. Can also be used with CDK-6 Conversion Kit to be used as a portable surface station.



## MAG-1003PS PORTABLE SURFACE STATION

A wireless unit only, the Magnacom® MAG-1003PS is a variation of our Magnacom MilCom 6000D designed to be a dedicated portable wireless surface unit. It features dual channels and comes standard with rechargeable NiMH batteries and a charger.



## MAG-1001S 2-CHANNEL SURFACE STATION

The Magnacom® MAG-1001S surface station is a 70 watt, dual-channel single sideband surface station designed to meet the demanding needs of the military. The Magnacom MAG-1001S has many useful features and comes standard with battery, battery charger, and transducer.



# HYBRID 70 WATT UNITS

## SW-1000-SC 2-CHANNEL DIVER UNIT

The Magnacom® SW-1000-SC is the most advanced, state-of-the-art underwater communication unit to date. A powerful 70-watt transmitter and diver-to-diver hardwire connection ensures long-range communications via wireless mode and secure communications via hardwire. An optional “Buddy Line” allows multiple divers to participate on the secure line. This item is sold to U.S. Military Personnel ONLY.



## MAG-1004HS 2-CHANNEL DIVER UNIT

The Magnacom® MAG-1004HS is a variant of the SW-1000-SC created for Homeland Security applications with different frequencies and without a “sleep mode.” A powerful 70 watt transmitter ensures long-range wireless communications and a diver-to-diver hardwire connection provides secure communications.



## MAG-1004-TAC 2-CHANNEL DIVER UNIT

The Magnacom® MAG-1004-TAC is a variant of the Magnacom® MAG-1004HS using a shorter (approx 4’ cable) and locking connectors. The powerful 70- watt transmitter ensures long range communications. The Secure Mode allows the users a secure way to communicate.



Military Comparison Chart



SSB-1001B1  
Diver Unit



STX-101M  
Surface Station



SW-1000-SC  
Diver Unit



MilCom 6000D  
Diver Unit

Channels / Frequencies	Ch.1 : 32.768 kHz USB Ch.2 : 32.768 kHz LSB Ch.3 : 31.250 kHz USB Ch.4 : 31.250 kHz LSB Ch.5 : 28.500 kHz USB Ch.6 : 28.500 kHz LSB Ch.7 : 25.000 kHz USB Ch.8 : 25.000 kHz LSB	Ch.1 : 32.768 kHz USB Ch.2 : 32.768 kHz LSB Ch.3 : 31.250 kHz USB Ch.4 : 31.250 kHz LSB Ch.5 : 28.500 kHz USB Ch.6 : 28.500 kHz LSB Ch.7 : 25.000 kHz USB Ch.8 : 25.000 kHz LSB	Ch.A : 25.000 kHz USB Ch.B : F2 (Special)	Ch. A: 28.500 kHz LSB Ch. B: 32.768 kHz USB
Output Power	10 Watts PEP	10 Watts PEP	70 Watts PEP	70 Watts PEP
Range*	200m - 3000m	200m - 3000m	1000m - 6000m	1000m - 6000m
Transducer	Piezoelectric	Piezoelectric	Piezoelectric	Piezoelectric
Transmit Control	Voice-Operated Transmit (VOX) and Manual Activation (Push-To-Talk)	Manual Activation (Push-To-Talk)	Voice-Operated Transmit (VOX) and Manual Activation (Push-To-Talk)	Manual Activation (Push-To-Talk)
Microphone / Speakers / Earphone	Ear / Mic Assembly via Hi-Use Connector (Purchased Separately)	Handheld Mic (included), THB-101 Headset w/ boom mic (optional)	Ear / Mic Assembly via Hi-Use Connector (Purchased Separately)	Ear / Mic Assembly via Hi-Use Connector (Purchased Separately)
Rec Out / Auxiliary Speaker	No / No	Yes / No	No / No	No / No
Battery Type	8 AA Batteries or RB-11 NiMH Rechargeable Battery Pack (Batteries not included)	2 Alkaline 6-volt Batteries or 2 Rechargeable RB-6V Gel-Cell batteries (Included)	RB-14 NiMH Battery Pack (Included)	Rechargeable Lithium-Ion (Included)
Battery Life	8 AA Batteries : ~ 7 hours RB-11 NiMH Battery Pack : ~ 8 hours	Alkaline 6-Volt Batteries : ~20 hours Rechargeable RB-6V Gel-Cell batteries : ~12 hours	~ 4 Hours on High-Power (Ch. A) ~ 8 Hours on Low-Power (Ch. B)	~ 14 Hours
Low Battery Indicator	Tone Alert / Flashing LED	Tone Alert	Tone Alert / Flashing LED	Tone Alert / Flashing LED
External Power	N/A	12 VDC, Minimum of 1 Amp. Access via Mini Double Banana Plug on Front Panel	N/A	N/A
Depth Rating	300 FSW	55 FSW (Transducer)	300 FSW	300 FSW
Housing	Injection-Molded, High-Impact, Glass-Filled ABS Plastic	Injection-Molded, High-Impact, Glass-Filled ABS Plastic	Injection-Molded, High-Impact, Glass-Filled ABS Plastic	Injection-Molded Polycarbonate
Dimensions (H x W x D) / Weight	Height : 8.1", Width : 4.5" Depth : 2.25", Weight : 3.5 lbs	Height: 6.50", Width: 14.00", Depth: 10.60" Weight: 12 lbs	Height: 8.25", Width: 4.50", Depth: 2.25" Weight: 5.5 lbs	Height: 7.0", Width: 4.0", Depth: 3.0" Weight: 2.2 lbs

\*Range can be more or less than stated and is dependent on water conditions (i.e., depth, noise, thermoclines, etc.). A combination of high sea state and acoustic shadowing will severely limit range.



MAG-1004HS  
Diver Unit



MAG-1004-TAC  
Diver Unit



MAG-1001S  
Surface Station



MAG-1003PS  
Surface Station

Ch. A: 28.500 kHz LSB Ch. B: 32.768 kHz USB	Ch. A: 28.500 kHz LSB Ch. B: 32.768 kHz USB	Low-frequency / High Frequency Pair:  Ch. A: 8.0875 kHz USB / 28.500 kHz LSB  Ch. B: 11.0000 kHz LSB / 32.768 kHz USB	Ch. A: 28.500 kHz LSB Ch. B: 32.768 kHz USB
70 Watts PEP	70 Watts PEP	70 Watts PEP	70 Watts PEP
1000m - 6000m	1000m - 6000m	1000m - 6000m	1000m - 6000m
Piezoelectric	Piezoelectric	Piezoelectric	Piezoelectric
Voice-Operated Transmit (VOX) and Manual Activation (Push-To-Talk)	Voice-Operated Transmit (VOX) and Manual Activation (Push-To-Talk)	Manual Activation (Push-To-Talk)	Voice-Operated Transmit (VOX) and Manual Activation (Push-To-Talk)
Ear / Mic Assembly via Hi-Use Connector (Purchased Separately)	Ear / Mic Assembly via Hi-Use Connector (Purchased Separately)	Handheld Mic (included), THB-MAG Headset w/ boom mic (optional)	THB-13 Headset w/ boom mic (Included)
No / No	No / No	Yes / No	No / No
RB-14 NiMH Battery Pack (Included)	RB-14 NiMH Battery Pack (Included)	2 Rechargeable RB-6V Gel-Cell batteries (Included)	RB-14 NiMH Battery Pack (Included)
~ 4 Hours on High-Power (Ch. A) ~ 8 Hours on Low-Power (Ch. B)	~ 4 Hours on High-Power (Ch. A) ~ 8 Hours on Low-Power (Ch. B)	Rechargeable RB-6V Gel-Cell batteries : ~8 hours	~ 4 Hours on High-Power (Ch. A) ~ 8 Hours on Low-Power (Ch. B)
Tone Alert / Flashing LED	Tone Alert / Flashing LED	Tone Alert	Tone Alert / Flashing LED
N/A	N/A	N/A	N/A
300 FSW	300 FSW	55 FSW (Transducer)	35 FSW
Injection-Molded, High-Impact, Glass-Filled ABS Plastic	Injection-Molded, High-Impact, Glass-Filled ABS Plastic	Injection-Molded, Ultra High-Impact, Glass-Filled ABS Plastic	Injection-Molded, High-Impact, Glass-Filled ABS Plastic
Height: 8.25", Width: 4.50", Depth: 2.25" Weight: 5.5 lbs	Height: 8.25", Width: 4.50", Depth: 2.25" Weight: 5.5 lbs	Height : 6.50", Width : 14.0", Depth : 10.60", Weight : 12 lbs	Height: 8.25", Width: 4.50", Depth: 2.25" Weight: 6.5 lbs



ALL Ocean Technology Systems' communications are fully guaranteed against defects in materials and workmanship for a period of 1 year from the time of purchase. Our obligation under this warranty is limited to the replacement of any part or parts which prove to our satisfaction to have been defective, and which have not been misused or carelessly handled. Labor is guaranteed for 1 year from time of purchase.

## LEAVE NO ONE BEHIND

OTS Diver Recall Systems are known for their durability and reliability ensuring mass communication is made when it's needed. OTS offers Diver Recall options for divers to be recalled by either tone or voice. When you need fast and simple broadcasting to the masses we have the solution for you.



# DIVER RECALL SYSTEMS

## DRS-100B Diver Recall System

The DRS-100B alerts divers within range with either voice, a solid tone, or an intermittent tone. You can also feed sound into the water (e.g. music, pre-recorded announcements) via a line-in connection located on the front panel. The DRS-100B also has a listen mode allowing the user to listen to marine and/or man-made noise.



## PDR-100 Portable Diver Recall

The PDR-100 was designed with Military, Public Safety and Commercial Dive Boat applications in mind. Designed with a rugged housing and durable underwater speaker, this compact Portable Diver Recall system is made for a long working life under harsh environments. The PDR-100 emits a loud solid tone or siren tone to signal your divers.



## SCB-1 8 Cell AA Battery Holder

The SCB-1 was designed to give users the option to use AA batteries in the PDR-100. This is an essential item for days where longer battery life is required.



## Diver Recall Comparison Chart



PDR-100  
Portable Diver Recall



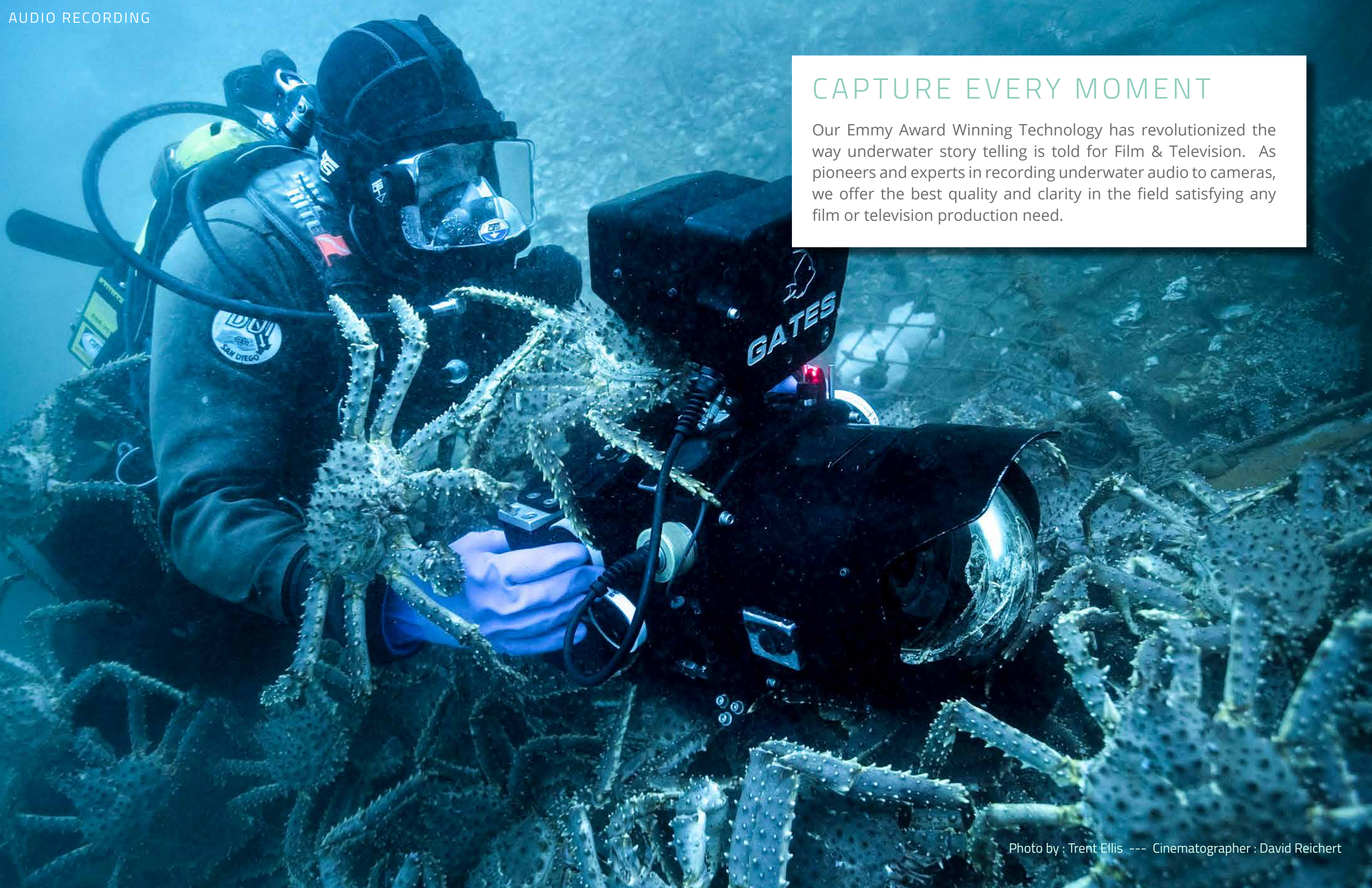
DRS-100B  
Diver Recall System

Tone / Siren Recall	Yes / Yes	Yes / Yes
Output Power	15 Watts	Recall & Tone : 132 Watts Voice : Adjustable up to 132 Watts
Range*	300m	Voice : 100m Tone : 300m
Transducer	PVC housing with Epoxy Coated Piezo Elements	Anodized Aluminium
Transmit Control	Tone / Siren : Toggle Switch	Tone / Recall : Toggle Switch Voice : Push-To-Talk Handheld Microphone
Battery Type	RB-14, NiMH 12, 2Ah (Included)	2 12V, 6Ah Rechargeable Batteries (Included)
Rec Out / Auxiliary Speaker	No / No	Yes / No
Battery Life	~5 Hours (20% Duty) ~36 Hours Standby	~5 Hours (20% Duty) ~3 Hours Aux Input (Continuous)
Low Battery Indicator	Multicolor LED	Red Flashing LED
External Power Source	N/A	24 VDC; 7 Amps Maximum; 75mA (Idle)
Speaker / Transducer Depth Rating	30 FSW	25 FSW
Housing	Injection-Molded, High-Impact, Glass-Filled ABS Plastic	Ultra-High Impact ABS
Dimensions (H x W x D) / Weight	Height: 7.0", Width: 4.50", Depth: 2.25" Weight: 7.5 lbs	Height: 6.5", Width: 14.0", Depth: 10.0" Weight: 15 lbs

\*Range can be more or less than stated and is dependent on water conditions (i.e., depth, noise, thermoclines, etc.). A combination of high sea state and acoustic shadowing will severely limit range.



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## CAPTURE EVERY MOMENT

Our Emmy Award Winning Technology has revolutionized the way underwater story telling is told for Film & Television. As pioneers and experts in recording underwater audio to cameras, we offer the best quality and clarity in the field satisfying any film or television production need.

# AUDIO RECORDING EQUIPMENT

## RX-100-D-RO

Receive Only with Audio out  
Patch Cable

The RX-100-D-RO Buddy Phone® Receive Only unit is designed to plug into a Female E/O connector on your camera housing and feed live audio into the microphone input on your camera. The RX-100-D-RO is an excellent choice if you are seeking to record all wireless transmissions into the camera.



## VSF-2

Audio Splitter Cable

The VSF-2 is a Y-splitter that goes between the diver's ear/mic assembly and the PowerComm 3000D and 5000D. The diver's earphone signal is sent into the camera through a bulkhead connector on the housing directly into the camera's mic input. Everything the diver hears and says is recorded in the camera.



## RECORDER HOUSING

Underwater Recorder Housing (Special Build)

This underwater recorder housing is a perfect system for those looking for a complete standalone option for recording audio. Pair this with a RX-100-D-RO and you have full system to record underwater audio. Recorder not included.



## HARDWIRE AUDIO RECORDING

Communication Ropes

Hardwire Communications offer the cleanest form of audio recording available. When the best possible sounding audio is necessary, pairing a communication rope to a diver with a surface station is the best way to go.



## EXPERT SERVICES FOR FILM & TELEVISION

OTS offers a vast array of underwater services to ensure your production needs are met. We specialize in :

- Training talent to look and sound their best.
- Creative audio solutions.
- Audio to camera set-up consultation.
- Specials and props.
- Expert advising for film.
- Hardwire and Wireless systems available for rent or sale.

## FILM & TELEVISION PROJECTS

A few projects OTS has been a part of :

Titanic, Sphere, Shark Week, Italian Job, Into the Blue, The Meg, Bering Sea Gold, Piranha 3D, Sanctum, Pirates of the Caribbean, Full House, The Travel Channel, Animal Planet, 60 Minutes, Jaws 4, Pearl Harbor, The Hulk and many, many more!

## WINNING THE EMMY!

In 1991, Michael, Jerry, and OTS were presented with a National Emmy Award for the impact underwater communications had on film making. The use of underwater communications allowed for talents to talk real time on camera and for film makers to seamlessly direct underwater. The Emmy award winning documentary, "Expedition Earth," starring Peter Benchley and Stan Waterman, was filmed at Cocos Island with underwater shooter Marty Snyderman and underwater sound shooter Michael Pelissier.



Today, OTS has made a name for itself in the television and film industry. It is not uncommon to turn on the television and see someone using an OTS Guardian Full Face Mask or Spectrum Full Face Mask and OTS underwater communications.



## BECOME A GUARDIAN FULL FACE MASK TECHNICIAN!

OTS offers online and in-person technician courses to help you learn how to properly service our equipment. Courses include servicing instructions on: breaking down the Full Face Mask, breaking down the 2nd Stage Regulator, reinstalling components of the Full Face Mask, reinstalling the components of the 2nd Stage Regulator and proper adjustments of the 2nd Stage Regulator.

The OTS Guardian Full Face Mask technical/maintenance course will provide hands on training in the following areas of the Guardian FFM system:

## Function of the regulator and mask

## Inspection of the external components

### Breakdown of the second stage regulator

### Breakdown of the mask body

## Parts identification

### Inspection and cleaning of the internal components

### Repair and replacement of parts

## Re-assembly of the second stage regulator

## Re-assembly of the mask body

### Adjusting the second stage regulator

## Testing the regulator with the Magnehelic

## Troubleshooting the regulator

Interested in more information on becoming a technician?

**Email : [ots@otscomm.com](mailto:ots@otscomm.com)**

**Phone : (714) 754-7848**

## NOTES

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# **Ocean Technology Systems**

" T e c h n o l o g y   I n   D e p t h "

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